

PATENT

IN THE CLAIMS

Applicant respectfully request the Examiner to withdraw the preliminary amendment filed on January 10, 2003, due to the fact that the claims presented therein were not the claims then in prosecution in the present application. The Examiner examined the correct set of claims 1-33 and the response set forth is based on those claims.

Attorney Docket No.:
Customer No.: 23696

CLAIM LISTING

1. (Currently Amended) A communiqué system for providing a communiqué, constituting program content concurrently delivered to a plurality of communication services to subscribers, who are equipped with wireless subscriber devices, via a cellular communication network that includes a plurality of cell sites, each of which provides a plurality of wireless communication channels in a cell that covers a predetermined volume of space around a cell site transmitting antenna, comprising:

means for receiving program content from a plurality of program sources;

means for selecting at least one of said plurality of cells to provide a communiqué communication service to a plurality of subscribers who are authorized to receive said communiqué and who are served by said selected at least one of said plurality of cells, independent of the presence of subscribers who are authorized to receive said communiqué and who are served by other cells of said cellular communication network;
and

means for routing program content, constituting said communiqué from at least one of said plurality of program sources to cell sites associated with said selected at least one of said plurality of cells for concurrent transmission via a one of said plurality of wireless communication channels to a plurality of wireless subscriber devices of subscribers who are authorized to receive said communiqué and who are served by said selected at least one of said plurality of cells to provide said communiqué communication service.

2. (Currently Amended) The communiqué system of claim 1 wherein said means for routing comprises:

means for combining said received program content into a plurality of program streams, each of which comprises at least one media from the class of media including: audio, video, graphics, text, and data, and the like.

3. (Currently Amended) The communiqué system of claim 2 further

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comprising:

means for transmitting a program stream to said cell sites associated with said selected at least one of said plurality of cells; and

wherein said means for routing further comprises:

means for transmitting program stream parsing control signals to said cell sites associated with said at least one of said plurality of selected cells to define at least one communiqué that is excerpted from said program stream in said cell sites associated with said selected at least one of said plurality of cells.

4. (Original) The communiqué system of claim 3 further comprising:

means, located in said at least one of said plurality of cell sites, for generating a plurality of communiqués from said received program stream and said program stream parsing control signals; and

means for transmitting said plurality of communiqués to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells.

5. (Original) The communiqué system of claim 2 further comprising:

means for transmitting a program stream to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells; and

wherein said means for routing further comprises: means for transmitting program stream parsing control signals to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells to define at least one communiqué that is excerpted from said program stream.

6. (Original) The communiqué system of claim 5 further comprising:

means for generating a plurality of subframes from said received program stream and said program stream parsing control signals for transmission to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells.

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7. (Original) The communiqué system of claim 6 further comprising:
means for generating program stream subframe parsing control signals to define at least one communiqué that is excerpted from a subframe of said program stream;
and
means for transmitting said received program stream subframe and said program stream subframe parsing control signals to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells.

8. (Original) The communiqué system of claim 1 wherein said means for routing comprises:
means for dividing a communication space in at least two dimensions to create said plurality of communication channels for carrying data; and
means for transmitting each said received program content in a selected one of said communication channels.

9. (Original) The communiqué system of claim 8 wherein said means for dividing comprises:
means for dividing a communication space in time, frequency and code domains to create said plurality of communication channels, each comprising a plurality of communication segments for carrying data.

10. (Original) The communiqué system of claim 9 wherein said received program content comprises communiqué transmissions and at least one of the classes of transmissions: voice, and data transmissions, said means for routing further comprises:
means for assigning at least one of said plurality of communication channels exclusively for use in transmitting each of said at least two classes of transmissions;
and
means for transmitting each of said received program content comprising at least

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two of: voice, data and communiqué transmissions in said associated assigned ones of said plurality of communication channels.

11. (Currently Amended) The communiqué system of claim 10 wherein said ~~means for routing further comprises:~~

means for assigning reserves ~~reserving~~ at least one of said plurality of communication channels for use on a non-exclusive basis for use in transmitting each of said at least two classes of transmissions.

12. (Currently Amended) A method of operating a communiqué system for providing ~~communiqué communication services to a~~ communiqué, constituting program content concurrently delivered to a plurality of subscribers, who are equipped with wireless subscriber devices, via a cellular communication network that includes a plurality of cell sites, each of which provides a plurality of wireless communication channels in a cell that covers a predetermined volume of space around a cell site transmitting antenna, comprising ~~the steps of:~~

receiving program content from a plurality of program sources;

selecting at least one of said plurality of cells to provide a said communiqué ~~communication service to a plurality of subscribers who are authorized to receive said~~ communiqué and who are served by said selected at least one of said plurality of cells, independent of the presence of subscribers who are authorized to receive said communiqué and who are served by other cells of said cellular communication network; and

routing program content from at least one of said plurality of program sources to said selected cell sites for concurrent transmission to ~~a plurality of~~ wireless subscriber devices of subscribers who are authorized to receive said communiqué and who are served by said selected cell sites cells, in at least one of said selected ~~cell sites~~ cells said transmission to said plurality of wireless subscriber devices being effected concurrently to more than one of said plurality of wireless subscriber devices via a one

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of said plurality of wireless communication channels.

13. (Currently Amended) The method of ~~operating a communiqué system~~ of claim 12 wherein said step of routing comprises:

combining said received program content into a plurality of program streams, each of which comprises at least one media from the class of media including: audio, video, graphics, text, and data, ~~and the like~~.

14. (Currently Amended) The method of ~~operating a communiqué system~~ of claim 13 further comprising ~~the steps of~~:

transmitting a program stream to said cell sites associated with said selected at least one of said plurality of cells; and

wherein said step of routing further comprises:

transmitting program stream parsing control signals to said cell sites associated with said at least one of said plurality of cells to define at least one communiqué that is excerpted from said program stream in said cell sites associated with said selected at least one of said plurality of cells.

15. (Currently Amended) The method of ~~operating a communiqué system~~ of claim 14 further comprising ~~the steps of~~:

generating, in said at least one of said plurality of cell sites, a plurality of communiqués from said received program stream and said program stream parsing control signals; and

transmitting said plurality of communiqués to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells.

16. (Currently Amended) The method of ~~operating a communiqué system~~ of claim 13 further comprising ~~the steps of~~:

transmitting a program stream to said plurality of wireless subscriber devices

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served by said selected at least one of said plurality of cells; and

wherein said step of routing further comprises:

transmitting program stream parsing control signals to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells to define at least one communiqué that is excerpted from said program stream.

17. (Currently Amended) The method of ~~operating a communiqué system~~ of claim 16 further comprising ~~the steps of~~:

generating a plurality of subframes from said received program stream and said program stream parsing control signals for transmission to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells.

18. (Currently Amended) The method of ~~operating a communiqué system~~ of claim 17 further comprising ~~the steps of~~:

generating program stream subframe parsing control signals to define at least one communiqué that is excerpted from a subframe of said program stream; and

transmitting said received program stream subframe and said program stream subframe parsing control signals to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells.

19. (Currently Amended) The method of ~~operating a communiqué system~~ of claim 12 wherein said step of routing comprises:

dividing a communication space in at least two dimensions to create said plurality of communication channels for carrying data; and

transmitting each said received program content in a selected one of said communication channels.

20. (Currently Amended) The method of ~~operating a communiqué system~~ of claim 19 wherein said step of dividing comprises:

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dividing a communication space in time, frequency and code domains to create said plurality of communication channels, each comprising a plurality of communication segments for carrying data.

21. (Currently Amended) The method of ~~operating a~~ communiqué ~~system~~ of claim 20 wherein said received program content comprises communiqué transmissions and at least one of the classes of transmissions: voice, and data transmissions, said step of routing further comprises:

assigning at least one of said plurality of communication channels exclusively for use in transmitting each of said at least two classes of transmissions; and

transmitting each of said received program content comprising at least two of: voice, audio, video, data and communiqué transmissions in ~~said associated~~ assigned ones of said plurality of communication channels.

22. (Currently Amended) The method of ~~operating a~~ communiqué ~~system~~ of claim 21 wherein said step of routing further comprises:

reserving at least one of said plurality of communication channels for use on a non-exclusive basis for use in transmitting each of said at least two classes of transmissions.

23. (Currently Amended) A communiqué system for providing a communiqué, constituting program content concurrently delivered to a plurality of ~~communication services to~~ subscribers, who are equipped with wireless subscriber devices, via a cellular communication network that includes a plurality of cell sites, each of which provides a plurality of wireless communication channels in a cell that covers a predetermined volume of space around a cell site transmitting antenna, comprising:

program manager means for receiving program content from a plurality of program sources;

~~spatial-temporal content manager~~ processor means for selecting at least one of

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said plurality of cell sites to provide a ~~communiqué communication service~~ to a plurality of subscribers who are authorized to receive said communiqué and who are served by said selected cells, independent of the presence of subscribers who are authorized to receive said communiqué and who are served by other cells of said cellular communication network; and

router means for routing program content, constituting said communiqué, from at least one of said plurality of program sources to said selected cell sites for concurrent transmission to a plurality of wireless subscriber devices of subscribers who are authorized to receive said communiqué and who are served by said selected cell sites ~~cells~~, in at least one of said selected ~~cell sites~~ cells said transmission to said plurality of wireless subscriber devices being effected concurrently to more than one of said plurality of wireless subscriber devices via a one of said plurality of wireless communication channels.

24. (Currently Amended) The communiqué system of claim 23 wherein said router means comprises:

content scheduling means for combining said received program content into a plurality of program streams, each of which comprises at least one media from the class of media including: audio, video, graphics, text, and data, ~~and the like~~.

25. (Currently Amended) The communiqué system of claim 24 further comprising:

distribution means for transmitting a program stream to said cell sites associated with said selected at least one of said plurality of cells; and

wherein said router means further comprises:

~~control signal~~ content parsing means for transmitting program stream parsing control signals to said cell sites associated with said at least one of said plurality of selected cells to define at least one communiqué that is excerpted from said program stream in said cell sites associated with said selected at least one of said plurality of

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cells.

26. (Currently Amended) The communiqué system of claim 25 further comprising:

communiqué generation control means, located in said at least one of said plurality of cell sites, for generating a plurality of communiqués from said received program stream and said program stream parsing control signals; and

~~program distribution~~ transmitter means for transmitting said plurality of communiqués to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells.

27. (Currently Amended) The communiqué system of claim 24 further comprising:

link content migration means for transmitting a program stream to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells; and

wherein said router means further comprises:

communiqué content parsing ~~control~~ means for transmitting program stream parsing control signals to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells to define at least one communiqué that is excerpted from said program stream.

28. (Original) The communiqué system of claim 27 further comprising:

subframe generating means for generating a plurality of subframes from said received program stream and said program stream parsing control signals for transmission to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells.

29. (Original) The communiqué system of claim 28 further comprising:

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subframe control means for generating program stream subframe parsing control signals to define at least one communiqué that is excerpted from a subframe of said program stream; and

transmitter means for transmitting said received program stream subframe and said program stream subframe parsing control signals to said plurality of wireless subscriber devices served by said selected at least one of said plurality of cells.

30. (Original) The communiqué system of claim 23 wherein said router means comprises:

subframe generating means for dividing a communication space in at least two dimensions to create said plurality of communication channels for carrying data; and

transmitter means for transmitting each said received program content in a selected one of said communication channels.

31. (Original) The communiqué system of claim 30 wherein said subframe generating means comprises:

domain parsing means for dividing a communication space in time, frequency and code domains to create said plurality of communication channels, each comprising a plurality of communication segments for carrying data.

32. (Currently Amended) The communiqué system of claim 31 wherein said received program content comprises communiqué transmissions and at least one of the classes of transmissions: voice, audio, video and data transmissions, said router means further comprises:

channel assignment means for assigning at least one of said plurality of communication channels exclusively for use in transmitting each of said at least two classes of transmissions; and

transmitter means for transmitting each of said received program content comprising at least two of: voice, audio, video, data and communiqué transmissions in

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~~said-associated~~ assigned ones of said plurality of communication channels.

33. (Currently Amended) The communiqué system of claim 32 wherein ~~said router means further comprises:~~

channel allocation assignment means ~~for reserving reserves~~ at least one of said plurality of communication channels for use on a non-exclusive basis for use in transmitting each of said at least two classes of transmissions.

34. (New) The method of claim 8 wherein said step of routing comprises:
dividing a communication space in at least two dimensions to create said plurality of communication channels for carrying data; and
transmitting each of a plurality of program content segments which are created from said received program content in a selected one of said communication channels.

35. (New) The method of claim 34 wherein said step of dividing comprises:
dividing a communication space in time, frequency and code domains to create said plurality of communication channels, each comprising a plurality of communication segments for carrying data.

36. (New) The method of claim 35 wherein said received program content comprises communiqué transmissions and at least one of the classes of transmissions: voice, audio, video and data transmissions, said step of routing further comprises:

assigning at least one of said plurality of communication channels exclusively for use in transmitting each of at least two of said classes of transmissions; and

transmitting each of said program content segments comprising at least two of: voice, audio, video, and data transmissions in said associated assigned ones of said plurality of communication channels.

37. (New) The method of claim 36 wherein said step of routing further

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comprises:

reserving at least one of said plurality of communication channels for use on a non-exclusive basis for use in transmitting each of at least two classes of transmissions.

38. (New) The communiqué system of claim 1 wherein said router means comprises:

subframe generating means for dividing a communication space in at least two dimensions to create said plurality of communication channels for carrying data; and

transmitter means for transmitting each of a plurality of program content segments which are created from said received program content in a selected one of said communication channels.

39. (New) The communiqué system of claim 38 wherein said subframe generating means comprises:

domain parsing means for dividing a communication space in time, frequency and code domains to create said plurality of communication channels, each comprising a plurality of communication segments for carrying data.

40. (New) The communiqué system of claim 39 wherein said received program content comprises communiqué transmissions and at least one of the classes of transmissions: voice, and data transmissions, said router means further comprises:

channel assignment means for assigning at least one of said plurality of communication channels exclusively for use in transmitting each of said at least two classes of transmissions; and

transmitter means for transmitting each of said program content segments comprising at least two of: voice, data and communiqué transmissions in said associated assigned ones of said plurality of communication channels.

41. (New) The communiqué system of claim 40 wherein said channel

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assignment means reserves at least one of said plurality of communication channels for use on a non-exclusive basis for use in transmitting each of said at least two classes of transmissions.

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